#4

SEQUENCE LISTING

<110> Ashizawa, Tetsuo
       Matsuura, Tohru

<120> DNA Test for SCA-10

<130> P02039US1/10023139

<140> US 09/942,336
<141> 2001-08-29

<150> US 60/229,406
<151> 2000-08-31

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<170> PatentIn version 3.1

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Phe Lys Glu Gln Arg Asn Arg Glu Thr Ala Pro Arg Thr Ile Phe Gln
            35                  40                  45

Arg Val Leu Asp Ile Leu Lys Lys Ser Ser His Ala Val Glu Leu Ala
    50                  55                  60

Cys Arg Asp Pro Ser Gln Val Glu Asn Leu Ala Ser Ser Leu Gln Leu
65                  70                  75                  80

Ile Thr Glu Cys Phe Arg Cys Leu Arg Asn Ala Cys Ile Glu Cys Ser
                85                  90                  95

Val Asn Gln Asn Ser Ile Arg Asn Leu Asp Thr Ile Gly Val Ala Val
            100                 105                 110

Asp Leu Ile Leu Leu Phe Arg Glu Leu Arg Val Glu Gln Glu Ser Leu
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Leu Thr Ala Phe Arg Cys Gly Leu Gln Phe Leu Gly Asn Ile Ala Ser
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Arg Asn Glu Asp Ser Gln Ser Ile Val Trp Val His Ala Phe Pro Glu
145             150             155                     160

Leu Phe Leu Ser Cys Leu Asn His Pro Asp Lys Lys Ile Val Ala Tyr
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Ser Ser Met Ile Leu Phe Thr Ser Leu Asn His Glu Arg Met Lys Glu
                180             185                 190

Leu Glu Glu Asn Leu Asn Ile Ala Ile Asp Val Ile Asp Ala Tyr Gln
            195             200                 205

Lys His Pro Glu Ser Glu Trp Pro Phe Leu Ile Ile Thr Asp Leu Phe
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Leu Lys Ser Pro Glu Leu Val Gln Ala Met Phe Pro Lys Leu Asn Asn
225             230                 235                     240

Gln Glu Arg Val Thr Leu Leu Asp Leu Met Ile Ala Lys Ile Thr Ser
            245             250                 255

Asp Glu Pro Leu Thr Lys Asp Asp Ile Pro Val Phe Leu Arg His Ala
            260             265                 270

Glu Leu Ile Ala Ser Thr Phe Val Asp Gln Cys Lys Thr Val Leu Lys
        275             280                 285

Leu Ala Ser Glu Glu Pro Pro Asp Asp Glu Glu Ala Leu Ala Thr Ile
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Arg Leu Leu Asp Val Leu Cys Glu Met Thr Val Asn Thr Glu Leu Leu
305             310                 315                     320

Gly Tyr Leu Gln Val Phe Pro Gly Leu Leu Glu Arg Val Ile Asp Leu
                325             330                 335

Leu Arg Val Ile His Val Ala Gly Lys Glu Thr Thr Asn Ile Phe Ser
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Asn Cys Gly Cys Val Arg Ala Glu Gly Asp Ile Ser Asn Val Ala Asn
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Gly Phe Lys Ser His Leu Ile Arg Leu Ile Gly Asn Leu Cys Tyr Lys
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Asn Lys Asp Asn Gln Asp Lys Val Asn Glu Leu Asp Gly Ile Pro Leu
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Trp Val Ile Tyr Ala Ile Arg Asn Leu Thr Glu Asp Asn Ser Gln Asn
            420             425             430

Gln Asp Leu Ile Ala Lys Met Glu Glu Gln Gly Leu Ala Asp Ala Ser
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Leu Leu Lys Lys Val Gly Phe Glu Val Glu Lys Lys Gly Glu Lys Leu
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